



## INSTRUCTION MANUAL

## NVM-4370

### Portable Navigation System



If you need assistance with product operation, authorized service center referral, service assistance, problem resolution, or parts and accessories availability; you may contact us by:

- A. Visiting [www.sanyoservice.com](http://www.sanyoservice.com) on a 24hr/7 days a week basis or
- B. calling the customer support center at 1-800-421-6382  
Weekdays 7:30 AM - 5:00 PM Pacific Time

**FCC COMPLIANCE**

\* This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference,  
and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

**FCC WARNING**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTICE**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

**Industry Canada Compliance**

Category I radio communication devices comply with Industry Canada Standard RSS-210. Category II radio communication devices comply with Industry Canada Standard RSS-310.

# Precautions

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SANYO Portable Navigation System Instruction Manual

Original issue: Apr 2008

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## Maintenance

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.
- Do not leave your device in plain sight when you leave your vehicle. Take your device with you or remove it from view to avoid theft.
- The screen surface can be easily scratched. Sharp objects may scratch the screen. You may use non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels to help protect the screen from minor scratches.
- Never clean your device with it powered on.
- Never use organic solvents such as benzene or paint thinner to clean your device. Use of these solvents can cause deformation or discoloration.
- Use a soft, clean, lint-free cloth to clean the display screen. Moistened LCD screen wipes could also be used as required.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.

## Storage precautions

- Do not store your device anywhere it may be exposed to water or in conditions of high humidity.
- When the device is not in use for an extended period of time, bring it indoors and store it in cool dry area.

## Accessories and repair precautions

- Only authorized accessories should be used with the device. The use of incompatible accessories could result in bodily injury and/or damage to the device.
- The use of unauthorized accessories will also void your warranty.
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**NOTE:** Record the device ID, serial number, purchase date, and place of purchase information in the space provided below. The serial number is indicated on the label affixed to your unit. All correspondence concerning your unit should include the serial number, device ID, and purchase information. Information in this manual is subject to change without notice.

## WARNINGS AND NOTICES

For your safety, do not operate the controls of the product while driving.

GPS satellite signals cannot typically pass through solid materials (except glass). GPS location information is not typically available inside buildings, tunnels, or underground parking lots.

A minimum of 4 GPS satellite signals is needed to calculate your GPS position. Signal reception can be affected by weather events or overhead obstacles (e.g. dense foliage and tall buildings).

Other wireless devices in the vehicle may interfere with the reception of satellite signals and cause the reception to be unstable.

### Adaptor



Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

Do not use the adaptor if the cord becomes damaged.

Connect the adaptor to the proper power source. The voltage requirements are found on the product case and/or packaging.

### Battery



This unit contains a non-replaceable internal Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture, or dispose of in fire or water.

To charge the battery, connect the Car adaptor to the main unit. Under high temperatures, however, the protection circuit may be activated and charging may not be possible.

Do not connect any accessory (Car adaptor, etc.) other than those supplied or optional.

## FOR AMERICAN USERS

The following advisory is included in accordance with the laws of the State of California (USA):

**WARNING:** This product contains chemicals, including lead, known to the State of California to cause cancer, and birth defects or other reproductive harm. ***Wash hands after handling.***

### CHECK YOUR STATE AND LOCAL TRAFFIC LAWS BEFORE MOUNTING.

Currently, some states (including, e.g., California and Minnesota) and municipalities restrict or prohibit drivers from mounting objects or other materials (a) on their windshields while operating motor vehicles or (b) that obstruct the driver's view or interfere with the operation of the vehicle. In such cases, other Sanyo mounting options should be used. SANYO does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice.

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# 1 Features and Specifications

## 1.1 Features

The SANYO NVM-4370 Portable Navigation System is a powerful multifunction GPS navigation and entertainment device.

- Compact size and lightweight
- Integrated GPS receiver for GPS navigation
- USA/Canada/Alaska/Hawaii/Puerto Rico map preloaded into Internal 4GB Flash
- Embedded SD/MMC card slot ensuring ample data storage
- Incorporates high-performance GPS antenna
- High-resolution color LCD
- 4.3" wide touch screen with 16:9 scale
- Bluetooth v1.2 supported with various profiles
- Multimedia functionality with high performance processor

## 1.2 Specifications

General Specification	
Overall dimension (w/o antenna)	4.5" x 2.9" x 0.72" ( 115mm x 74.5mm x 18.3mm)
Weight (incl. battery)	6.7 oz (190 g)
Certificates	FCC
Operating Temperature	32 °F to 122 °F ( 0 °C to 50 °C)
Storage Temperature	short period: -4 °F to 140 °F (-20 °C to 60 °C) long period: -4 °F to 95 °F (-20 °C to 35 °C)
Charging battery Temperature	32 °F to 104 °F ( 0 °C to 40°C)
Hardware Main unit	
Display	4.3" Touch screen, 480 x 272 pixel, TFT, 16.7M colors
Memory	NAND Flash 4GB
Indicators	Green/Red/Orange for power, Blue for Bluetooth
Speaker	1.5 W, 8 ohm
Connectors	MiniUSB (B type), SD/MMC memory slot, Camera in, Headphones
(Headphones jack)	3.5mm, stereo, More than 32 ohm
(Camera in jack)	2.5mm
Bluetooth	Bluetooth v1.2 compatible class 2
Bluetooth Profile	HFP, OPP, FTP
FM transmitter	87.7 - 108.0 MHz (0.1MHz step adjustable)
Microphone	Built-in for Bluetooth Hands-Free
USB Interface	USB ver. 2.0
Main Battery	
Type	Rechargeable Li-ion
Voltage/Capacity	3.7V, 1200 mAh
Runtime	Up to 4 hours (Display Main Menu with LCD power save mode)
Charge time	Approximately 4 hours (Charge the battery from an empty status with Car adaptor)
GPS	
Type	internal Chipset SiRF GSC3

<b>Car Adaptor</b>	
Input rating	10.8-30V
Output rating	5.0V, 1A
Certificates	FCC, CE, e-mark
Output plug	USB mini-B type
<b>USB Cable</b>	
Length	4' (120 cm)
<b>Mini-jack to RCA conversion cable</b>	
Length	1' (30cm)
<b>SD Card</b>	
Support Capacity	Maximum 8GB (SDHC Support)
<b>MMC (Multi Media Card)</b>	
Support Capacity	Maximum 2GB

## 2 Getting Started

This chapter describes the hardware interface of your unit and its peripherals. Instructions for setting up the device and some basic system operations are also discussed.

**NOTE:** Although your unit's rechargeable Li-ion battery comes approximately 40-80% charged, before using, it is best to connect the Car adaptor and plug to power socket and fully charge the battery. The POWER/MENU button will glow orange when charging.

### 2.1 Hardware overview

This section introduces your unit's external features and hardware components.

#### 2.1.1 Packing list

The box contains all of the items listed below:

- Portable Navigation System unit
- Dashboard Mounting Disc
- Windshield & Dashboard Car Mounting kit
- Car Adaptor
- USB cable
- Quick Start Guide
- CD Instruction Manual
- Warranty
- DVD Map Software
- Mini-jack to RCA conversion cable

#### 2.1.2 External features

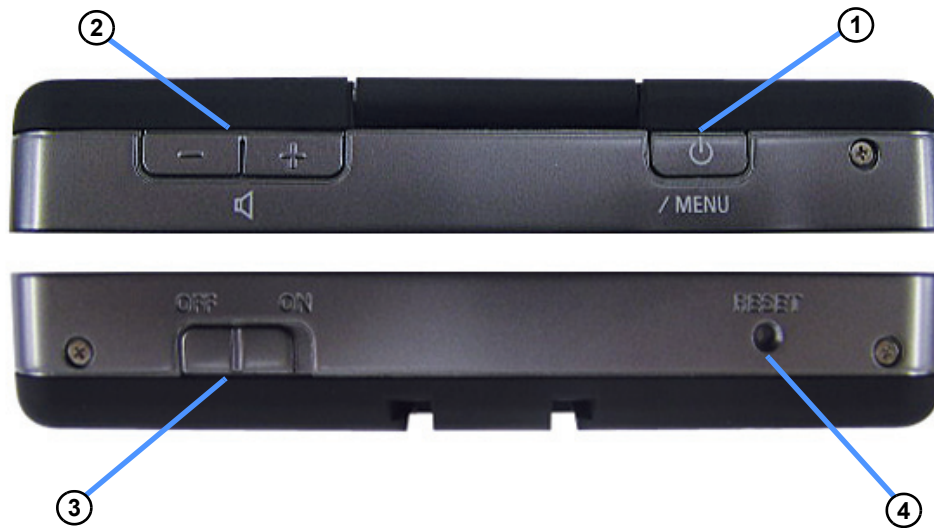
**Figure 1: Front Panel View**



**Table 1: Front panel controls**

No.	Function	Description
1	Bluetooth LED	Glows blue when Bluetooth connected

**Figure 2: Top and Bottom view**

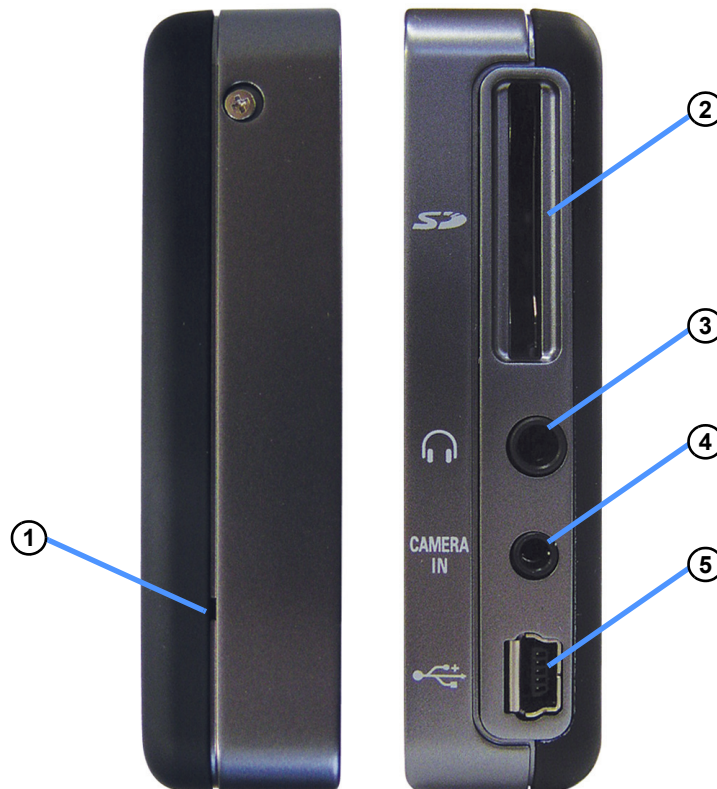


**Table 2: Top and Bottom controls**

No.	Function	Description
1	Power / Menu button	Normal ON/OFF power button and change menu
2	Volume Control	Adjust the sound volume.
3	Battery switch	The main power/battery cut off switch.
4	Reset	Restarts your device

**NOTE:** Power / Menu button : Press and hold the button for 2 seconds to turn power off.  
While unit power is on, press and immediately release the button to display Main Menu.

**Figure 3: Left and Right side view**

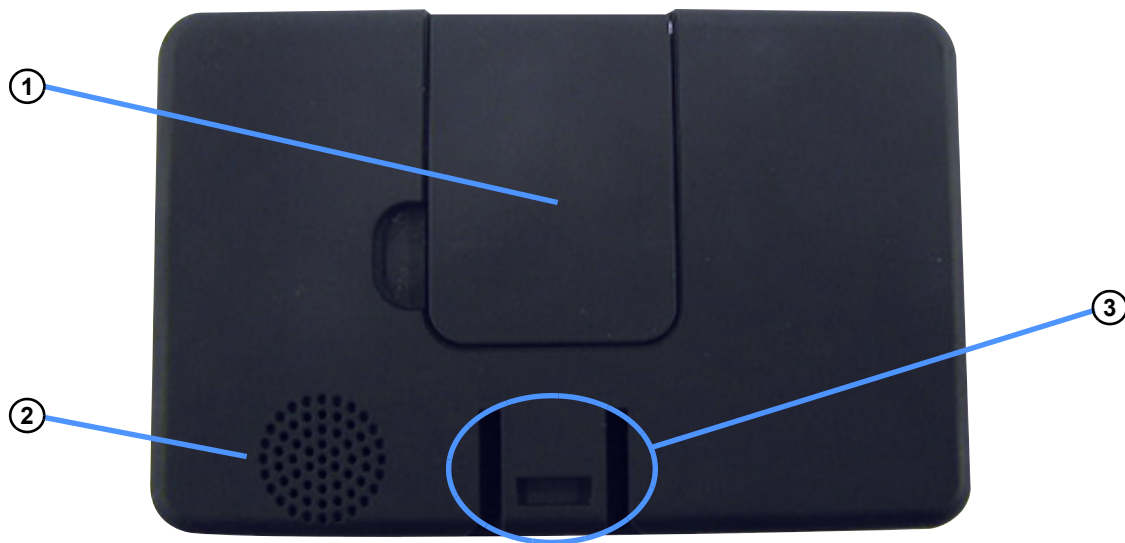


**Table 3: Left and Right panel controls**

No.	Function	Description
1	Microphone	nondirectional Microphone
2	SD/MMC slot	Accepts a SD (Secure Digital) or MMC (MultiMediaCard) for data storage.
3	Headphones	Standard stereo headphones jack.
4	CAMERA-IN	Rear view camera input (mini-jack)
5	USB	Car adaptor, PC (with USB cable) or TMC unit connector

**NOTE:** Your unit can charge by USB Interface.

- Make sure that the battery switch is ON.
- Make sure that your device is OFF state. (If your device is ON state, press Power / Menu button for long interval.)
- Connect your device to your PC with USB cable, then USB charging starts.

**Figure 4: Rear view****Table 4: Rear controls**

No.	Function	Description
1	GPS antenna	GPS antenna
2	Speaker	Speaker
3	Car mounting kit slots	Slots for Windshield & Dashboard Car Mounting kit

## 2.2 Mounting your unit in your vehicle

**WARNING:** Do not use the car mount kit under low temperatures. The cradle may come off because of insufficient suction power.

**WARNING:** Make sure that the car mount kit does not obstruct the driver's view, or interfere with the operation of vehicle airbags and safety devices.

Your unit comes with a car Mounting kit and a car adaptor to help install your device in your vehicle. The car Mounting kit uses a suction cup on the windshield/dashboard to offer flexible mounting options for your unit.

**NOTE:** Do attach the Car Adaptor to your device when you use it in vehicle. Rechargeable batteries may sometimes not be chargeable in the vehicle.

This section shows how to install the car mount kit in your vehicle's windshield/dashboard using the suction cup.

**Figure 5: Windshield & Dashboard Car Mounting kit**



**Table 5: The components of Windshield & Dashboard Car Mounting kit**

No.	Function	Description
1	Adjustable 2 prong ratcheting plate	Connects the device to the ratcheting plate which can be adjustable horizontally and vertically.
2	Tower unit	Allows the device to be adjusted in 360°
3	Suction cup locking lever	Secures the vacuum seal of the car mount.
4	Suction cup	Fixes the car mount to the selected mounting area.
5	Suction cup release tab	Pull to release the vacuum seal of the suction cup.
6	Dashboard Mounting Disc	For Dashboard mounting usage



### Using the car Mounting kit

1. Clean and dry the mounting surface with a clean cotton cloth.
2. If the ambient temperature is below +60°F (15°C), you can warm the mounting area and the suction cup (e.g. with a hair dryer) to ensure a strong suction bond.
3. Install the car mount on the selected area.

#### On the Windshield

- a. Fix the suction cup to the selected area with the locking lever facing up for easier access.
- b. Flip the locking lever away from you to create a vacuum between the suction cup and the window surface.

#### On the Dashboard

Warning: The permanent mounting adhesive is extremely difficult to remove after it is installed.

- a. Remove the backing from the permanent mounting adhesive on the bottom of the disc and place the mounting disc on the dashboard.
- b. Fix the suction cup to top of the mounting disc with the locking lever facing up for easier access.
- c. Flip the locking lever away from you to create a vacuum between the suction cup and the mounting disc.

Make sure that the suction is strong and stable before proceeding to the next step.

4. After you are sure the mounting bracket is safe and secure, attach and slide your unit into its ratcheting plate. It snaps in easily with the quick release connectors.
5. Adjust the car mount for the best viewing angle.
6. Connect the car adaptor into the cigarette lighter receptacle.
7. The car adaptor LED indicator will glow when powered.
8. Plug the car adaptor into the side of your unit and position the cord to an appropriate location.
9. Flip the GPS antenna and set it to a level position.

**NOTE:** Your car may be required to switch the vehicle ignition into the accessories position to power the cigarette lighter. Your unit will not charge with the ignition off.

**Figure 6: Mounting on the windshield**



**Figure 7: Mounting on the dashboard**



10. Detach your unit from the Car mounting kit (ratching plate)

**Figure 8: Mounting on the dashboard**

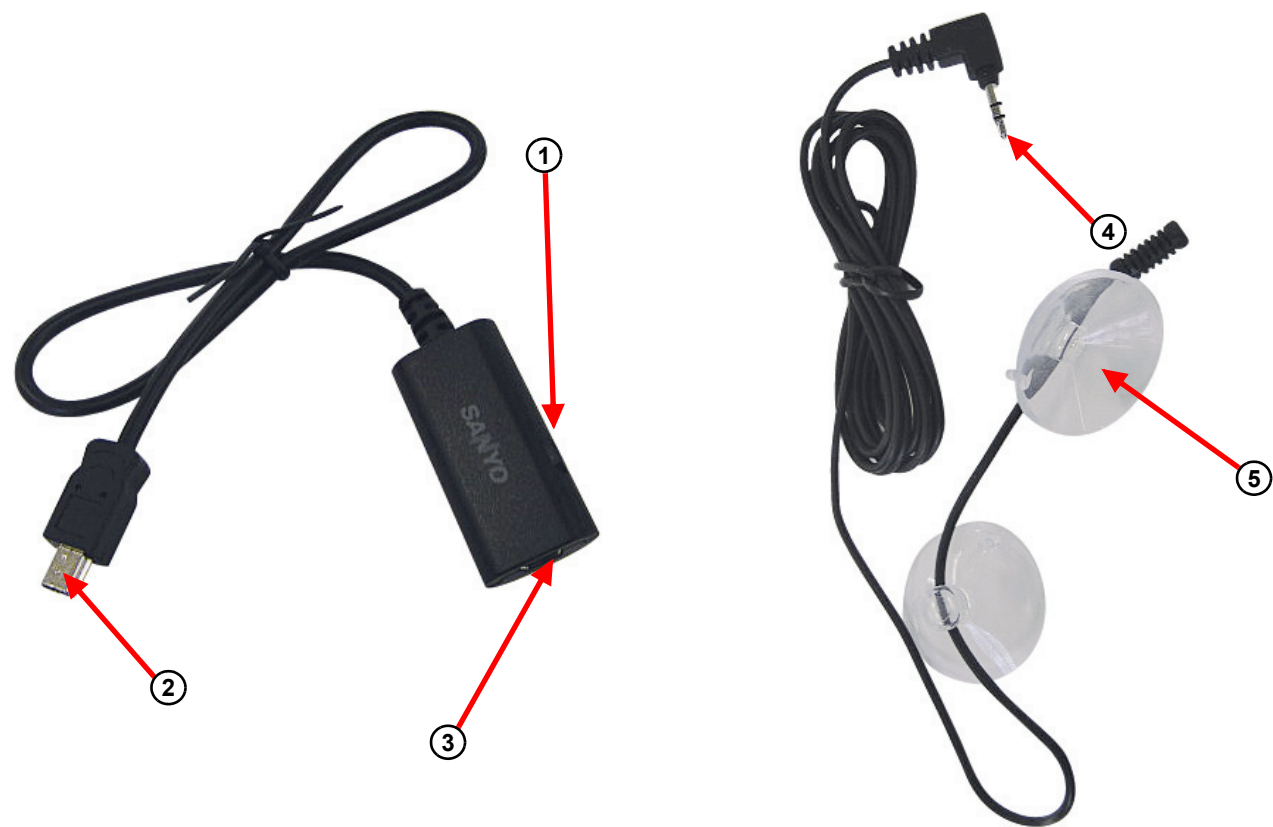
Press lock button  
on ratching plate





2.3 Set up TMC antenna unit in your vehicle (Option)

Figure 9: TMC unit and TMC antenna



No.	Component	Description
1	TMC antenna jack	Connects to the TMC antenna
2	USB terminal	Connects to the USB slot of the device
3	USB slot	Connects to the USB terminal of the car adaptor
4	TMC antenna terminal	Connects to the antenna jack of the TMC unit
5	Suction cup	Fixes the windshield

Figure 10: TMC antenna recommended connection method



### Using the TMC antenna unit

1. Clean and dry the suction cup surface with a clean cotton cloth.
2. Fix TMC antenna unit on Windshield as recommended connection method
3. Connect the TMC antenna to the TMC unit.
4. Connect the TMC unit to the device.
5. Connect the car adaptor to the USB slot of the TMC unit.

**WARNING:** Make sure that the TMC antenna does not obstruct the driver's view, or interfere with the operation of vehicle airbags and safety devices.

**NOTE:** SANYO is not responsible for the availability or quality of traffic information provided by TMC.

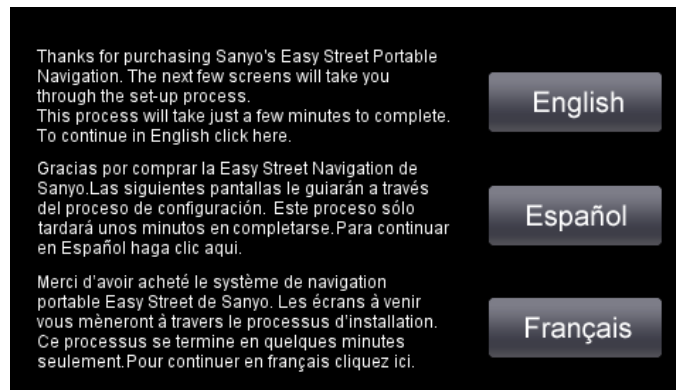
## 3 System

### 3.1 Initial settings

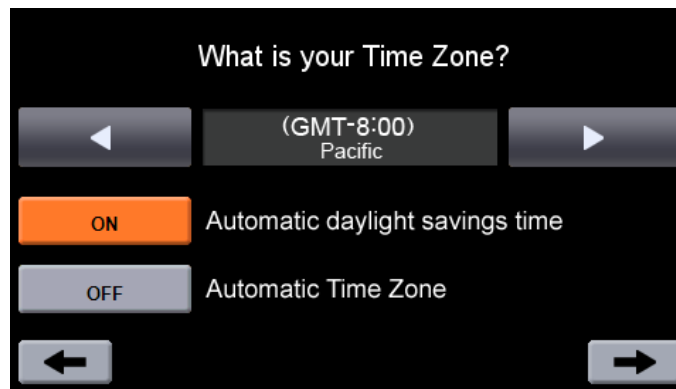
1. Turn on the Battery ON / OFF switch.



2. Select the desired language English/Español/Français.



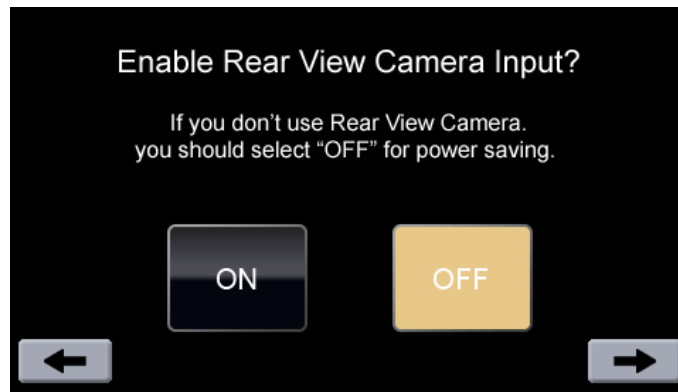
3. Set the time zone.



**NOTE:** The time displayed by the navigation software is set automatically when the GPS receives a signal. If you would also like the time zone to be set automatically, set "Automatic Time Zone" to "ON".



4. Set the rear view camera input. To use the rear view camera select "ON", if you don't use the rear view camera select "OFF". When set to "ON", the screen will switch automatically when camera images are input.

**NOTE:** If you don't use the rear view camera input you should select "OFF" for power saving.



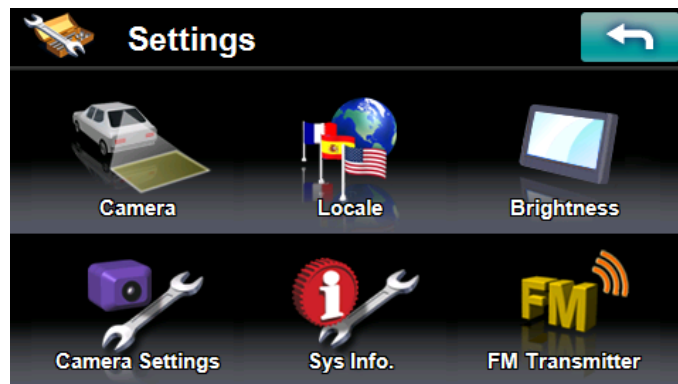
5. The Main Menu screen is displayed after the Warning screen.




No.	Description
1	Battery Status
2	Bluetooth Status  : Bluetooth is "ON". Mobile phone is not connected.  : Mobile phone is connected.
3	The name of the connected mobile phone

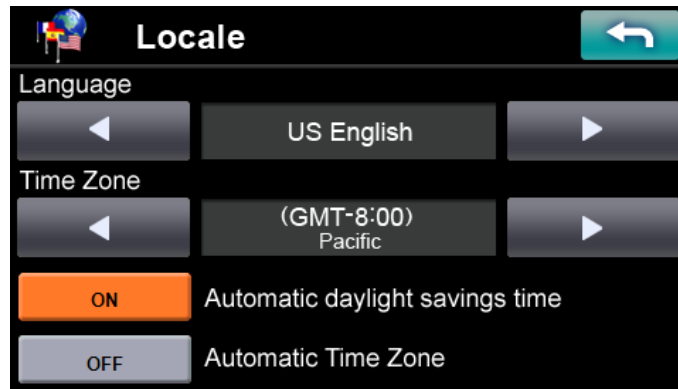
## 3.2 System settings

System setting can be used to view and adjust your device current preferences. Navigate from the "Settings" menu.




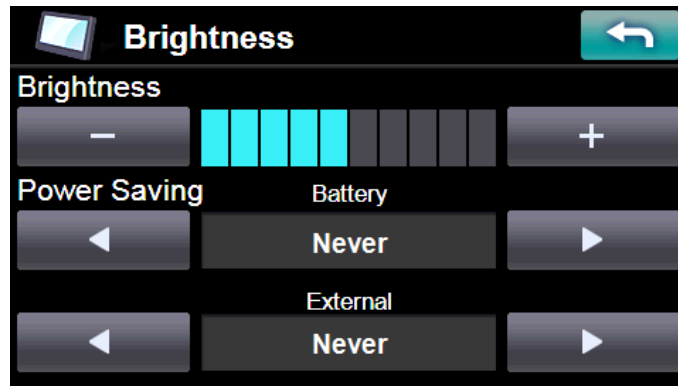
### 3.2.1 Locale

1. Tap the “Locale” icon in the “Settings” menu.
2. Tap the forward or backward arrow until the language and the Time Zone you want appears.
3. If you set “Automatic daylight savings time” to “ON”, your unit adjusts clock for daylight saving automatically. And if you set “Automatic Time Zone” to “ON”, the navigation software automatically sets the system Time Zone after receiving GPS.
4. Tap  to set the language and the Time Zone and return to the “Settings” menu.



### 3.2.2 Brightness

1. Tap the “Brightness” icon in the “Settings” menu.
2. Tap “+” or “-” to set the Backlight brightness.
3. Tap the left or right arrow to set the LCD power-save of battery and external power drive modes.
4. Tap  to return to the “Settings” menu.



### 3.2.3 Camera / Camera settings

This device can be used as a monitor for rear view cameras such as those manufactured by Sanyo CCA-BC200. If you use the rear view camera connect the “mini-Jack to RCA conversion cable” provided to the video output terminal of the rear view camera and insert it into the CAMERA-IN of the device.

**NOTE:** See Rear View Camera Instruction Manual for details about how to fix the rear view camera to the car.

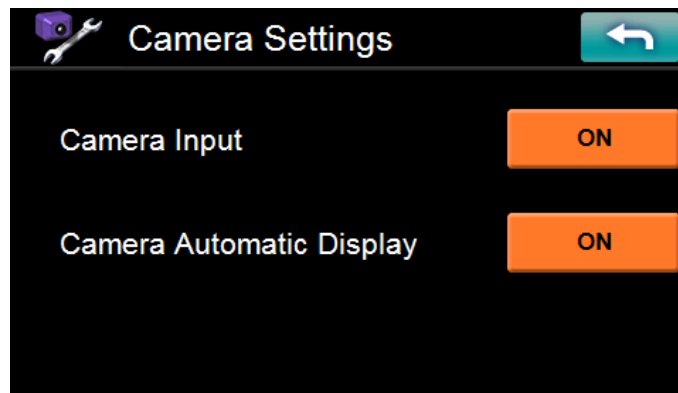
**NOTE:** The unit is not equipped with an image reverse function, to obtain a mirror image similar to that of the back mirror use a camera equipped with an image reverse function.

The procedure to display the rear view camera image is the following:

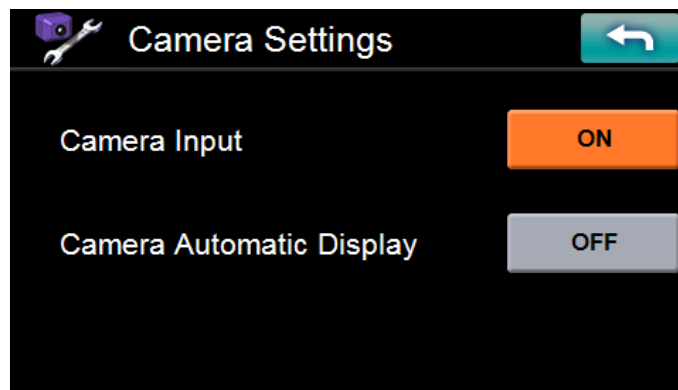
1. Tap the “Camera Settings” icon in the “Settings” menu.
2. Tap the “Camera Input ON/OFF” button in “Camera Settings” and set the button to “ON”.

**NOTE:** If you don't use the rear view camera input you should select “OFF” for power saving.

- When “Camera Automatic Display” is set to “ON”, the screen will switch automatically when a camera image is input.



If you would like to switch the camera image manually, set “Camera Automatic Display” to “OFF”. At such times, tap the “Camera” icon in the “Settings” menu, the camera image is displayed.



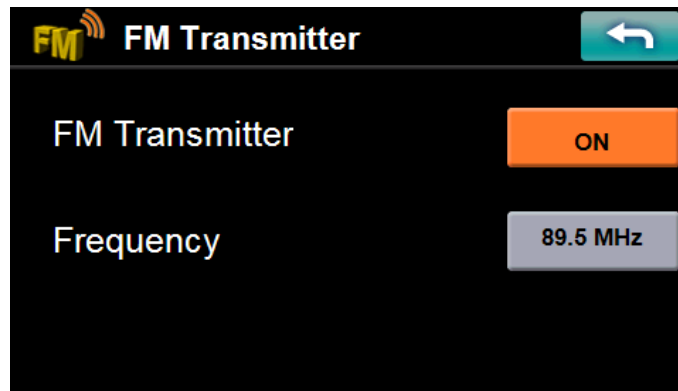
- When the input of the camera image stops, the screen will automatically return to the original screen.
- If you keep pressing the “MENU” button on the top of the device for a few seconds, the camera image disappears and the “Main Menu” is displayed. To redisplay the camera image at this time, tap the “Camera” icon in the “Settings” menu.

**NOTE:** If the “Navigation”, “Music Player” or “Video Player” were in operation, they are temporarily suspended when the camera image is displayed.

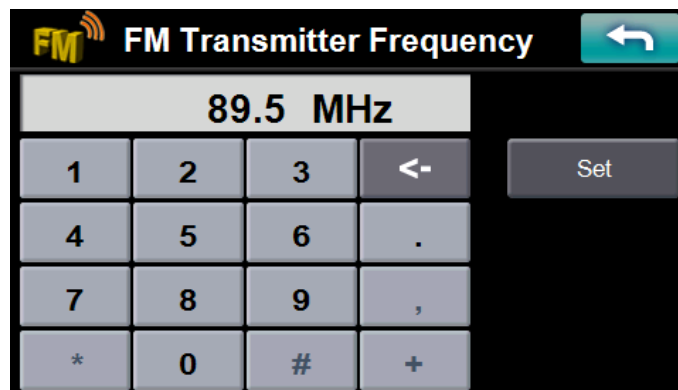
**WARNING:** When a camera image is displayed the hands free Bluetooth signal is not available.

### 3.2.4 FM transmitter

1. Tap the “FM Transmitter” icon in the “Settings” menu.
2. When pressing the “FM Transmitter ON / OFF” button and setting it to “ON”, the FM Transmitter is set to “ON” and the speaker output is turned OFF.



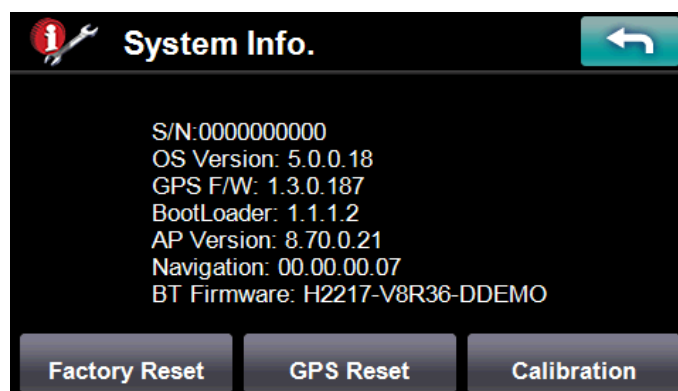
3. Tap the “XX.X MHz” button.
4. Input frequency using “FM Transmitter Frequency” screen and then tap the “Set” button.



5. When pressing the “FM Transmitter ON / OFF” button and setting it to “OFF”, the FM Transmitter is set to “OFF”.

### 3.2.5 System information

1. Tap the “Sys Info.” icon in the “Settings” Menu.
2. You can view the OS version, GPS firmware version and other system information.



3. Tap the “Calibration” button to open the Calibration screen of the touch panel.  
Tap the center of the target as it moves around the screen.

Tap on the center of the target.  
Repeat as the target moves around the  
screen.



4. Tap the “Factory Reset” button to open a dialog box to select whether to reset the settings. Tap the “YES” button to reset the settings and the “NO” button not to reset the settings.

**Load factory default settings?**  
**Warning: Communications' data including**  
**Contacts will be deleted after device is reset.**

YES


NO

5. Tap the “GPS Reset” button to open a dialog box to select whether to reset the GPS satellite receiver. Tap the “YES” button to reset the receiver and the “NO” button not to reset the receiver.

**Reset GPS satellite receiver?**

YES

NO

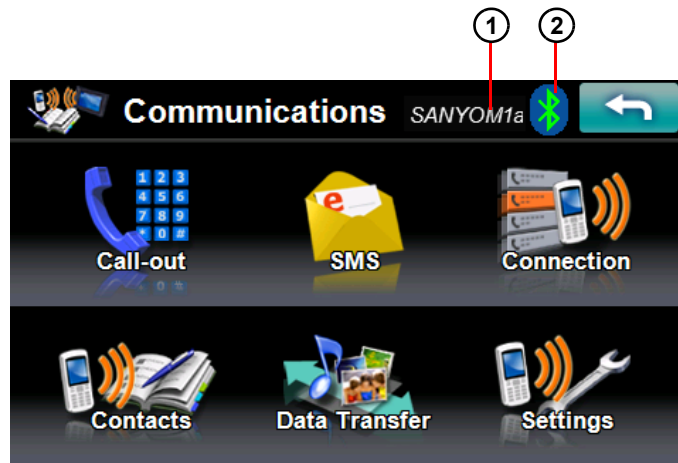
6. Tap  to return to the “Settings” menu.





## 4 Communications

“Communications” provides the various functions with the Bluetooth mobile phone.

“Communications” main menu is as follows:



No.	Description
1	The name of the connected mobile phone
2	Bluetooth Status  : Bluetooth is “ON”. Mobile phone is not connected.  : Mobile phone is connected.

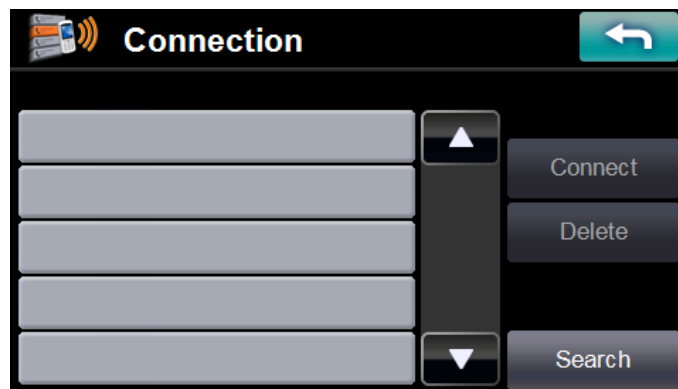
### 4.1 Connection

**NOTE:** Make sure the Bluetooth settings of your mobile phone.

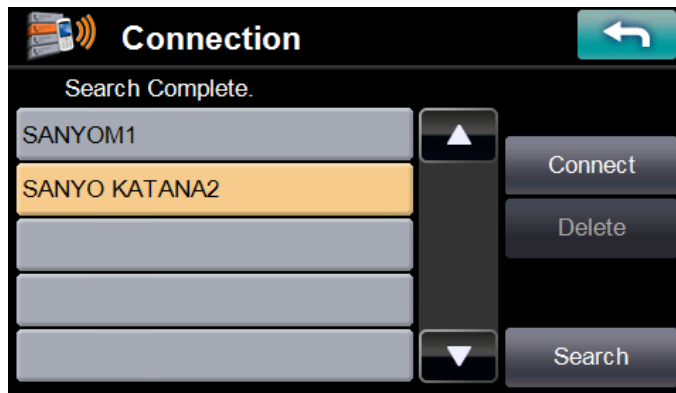
- The Bluetooth switch is set to “ON” or “enable”.
- The visibility is set to “Discoverable”, “Show my phone”. (For more detailed information, see your phone’s manual.)

#### 4.1.1 Mobile phone connection (New)

1. Set Bluetooth to “ON” in the “Settings”, and tap the “Connection” button of the “Communications” screen.



2. Tap the “Search” button. Your unit starts to search available mobile phones.
3. The available phones are displayed on the phone list. Select one of the mobile phones and tap the “Connect” button.

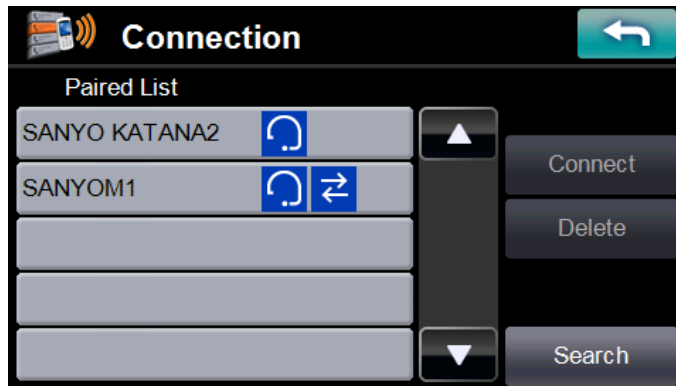


4. The mobile phone will often require you to enter a password to connect the device. Enter “0000” on the mobile phone in this case.
5. When the connection completes, the name of the connected phone is displayed on the title bar of the “Communications” screen. And the Bluetooth icon changes to green.

**NOTE:** If the connected mobile phone has the Bluetooth auto-accept function, set this function to “ON”.  
(For more detailed information, see your phone’s manual.)

#### 4.1.2 Mobile phone connection (Reconnect)

1. Set Bluetooth to “ON” on the “Settings”, and tap the “Connection” button of the “Communications” screen. The mobile phones that have connected in the past are displayed on the “Paired List”.

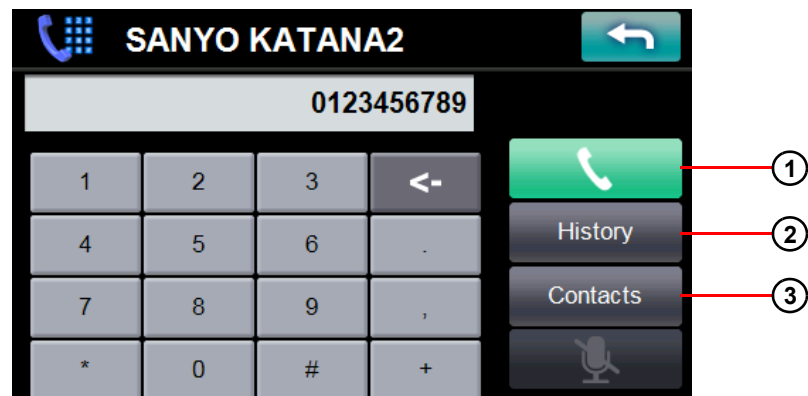


2. Select one of the mobile phones and tap the “Connect” button.
3. The mobile phone will often require you to enter a password to connect the device. Enter “0000” on the mobile phone in this case.
4. When the connection completes, the name of the connected phone is displayed on the title bar of the “Communications” screen. And the Bluetooth icon changes to green.

4.2 Call-out (Hands-free Calling)

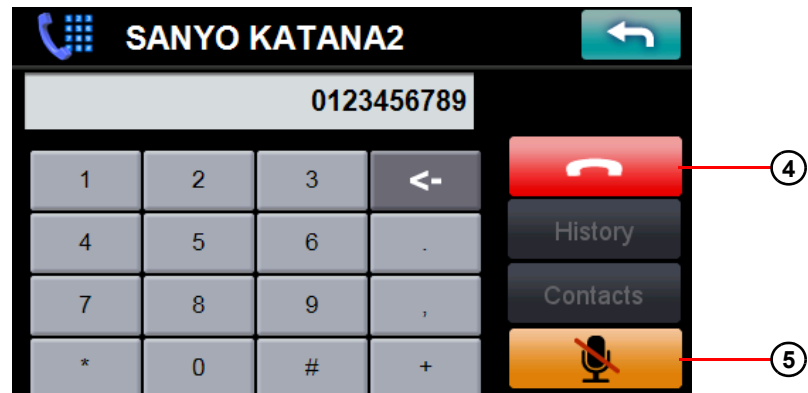
“Call-out” screen is as follows:

Call-out



No.	Name	Description
1		Start to make a call.
2	History	Call-out from the history of the incoming / outgoing call
3	Contacts	Call-out from the contacts. In detail, refer to 4.3.

Call-out (in a phone call)



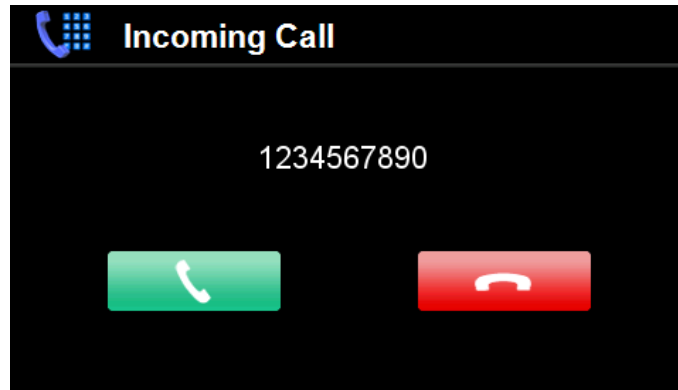
No.	Name	Description
4		Close a phone call.
5	Mute	Set the microphone muting. :Set the microphone mute to ON. :Set the microphone mute to OFF.





4.2.1 Making a call

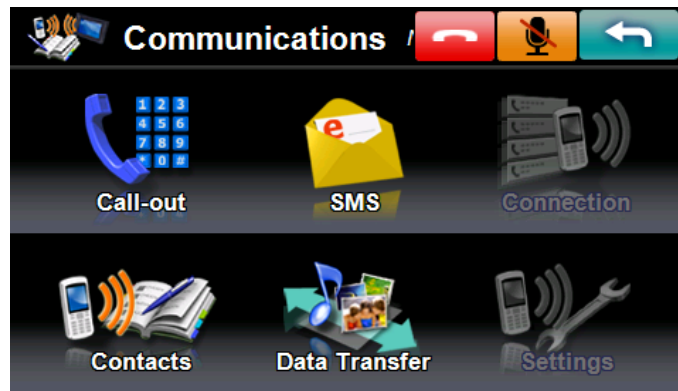
- 1. Tap the “Call-out” button of the “Communications”, the “Call-out” screen opens.
- 2. Input a phone number and tap .  
Your unit starts to make a call.
- 3. Tap , the phone call quits.

#### 4.2.2 Receiving a call

1. When the connected mobile phone receives a call, the caller's phone number and two buttons are displayed on the screen.



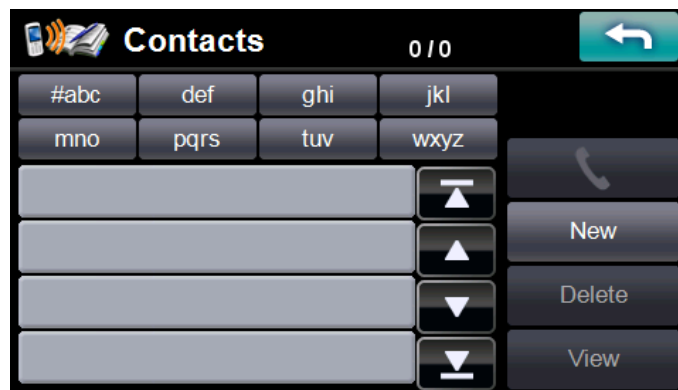
2. To receive a call, tap . To quit a call, tap .
3. On a phone call,  and  are displayed at the top-right of the screen.



4. On the "Settings", you can do the setting of the automatic answer to phone call.

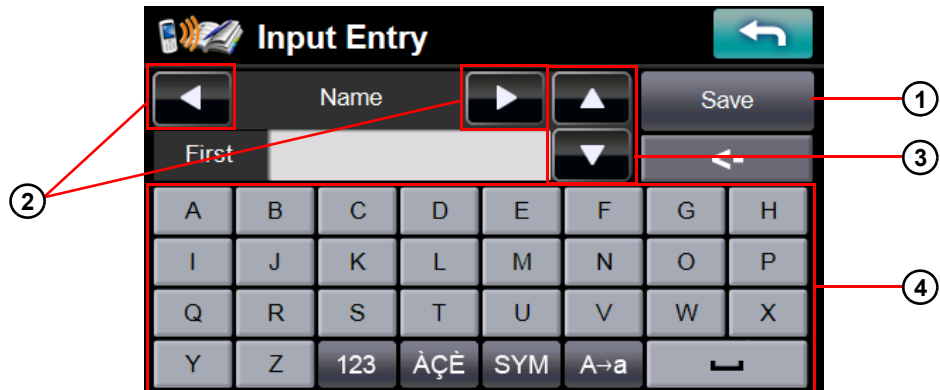
#### 4.3 Contacts

"Contacts" screen is as follows:



### 4.3.1 Create new entry

1. Tap “New” button. The “Input Entry” screen opens.

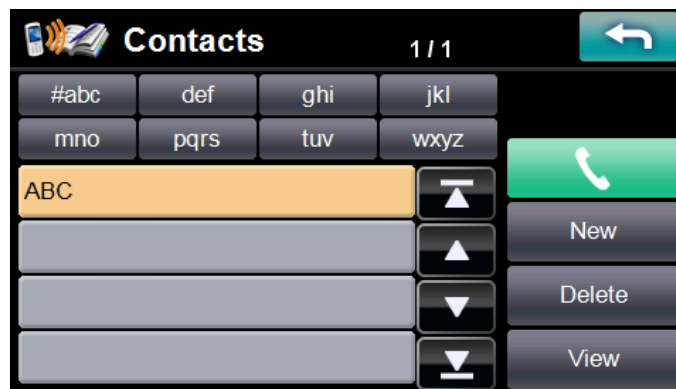


No.	Description
1	Save: Save the entry
2	Category Up / Down
3	Item Up / Down
4	Keyboard (Alphabet, Numbers, and Symbols)

2. Input each item. All categories and items are as follows:


Category	Record		
Name	First		
	Last		
Phone	Home		
	Work		
	Mobile		
	Other		
Home Address	Street	City	State
	Zip	Country	—
Work Address	Street	City	State
	Zip	Country	—
Others	Company		
	E-mail		

3. Tap the “Save” button, the entry is added to the list of Contacts.



**NOTE:** The maximum number of the saved entry is 400.

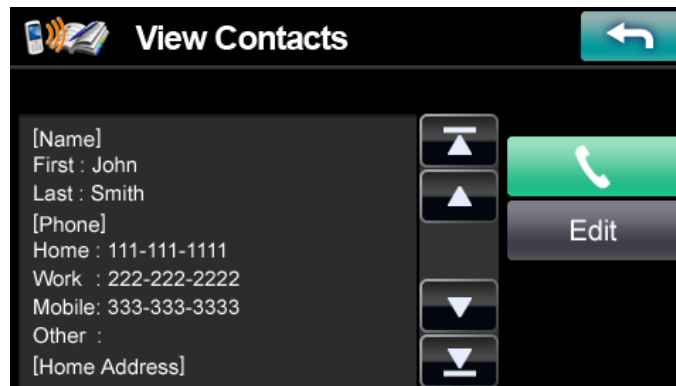
### 4.3.2 Call-out


1. Select the entry and tap .
2. Select one of the enabled buttons, your unit starts to make a call to the selected number.



### 4.3.3 View

1. Select one of the entries and tap the “View” button, the “View Contacts” screen opens. You can see the detailed information of the selected entry.



2. Tap the “Edit” button, the “Input Entry” screen opens and you can edit the entry.
3. About , see 4.3.2.

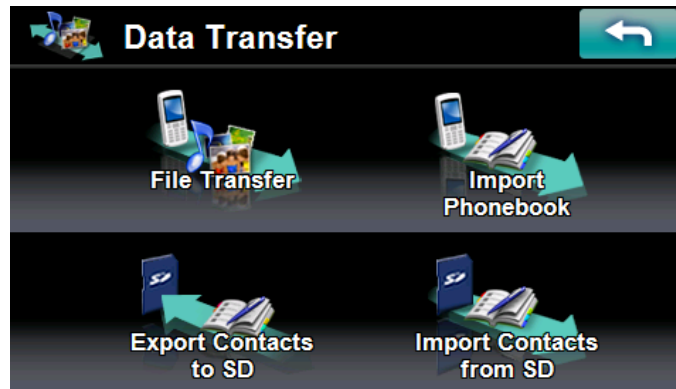
### 4.3.4 Delete

1. Select the entry and tap the “Delete” button.
2. Tap the “YES” button to delete.



## 4.4 Data transfer

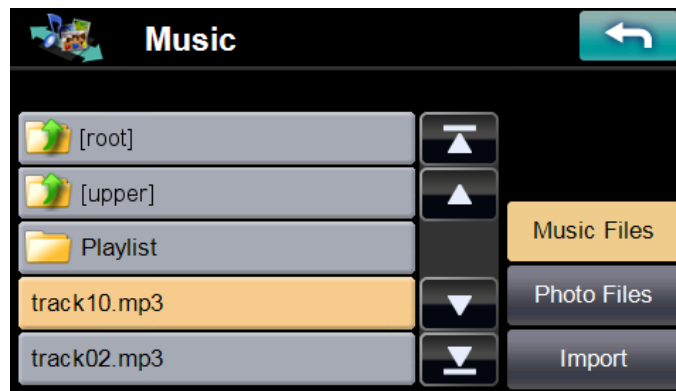
Tap the “Data Transfer” button in “Communications” screen.



### 4.4.1 File transfer

**NOTE:** Not all mobile phones support “File Transfer”.

1. Tap the “File Transfer” button.
2. Files and folders on mobile phone appears.



3. Tap the “Music Files” or “Photo Files” button to select file type you want to transfer to your unit from mobile phone.
4. Select the file you want to transfer (allowed to select multiple files).
5. Tap the “Import” button and transfer starts.

**NOTE:** Music files are transferred to “Music” folder of Internal Memory of your unit.  
Photo files are transferred to “Photo” folder of Internal Memory.

### 4.4.2 Import phonebook

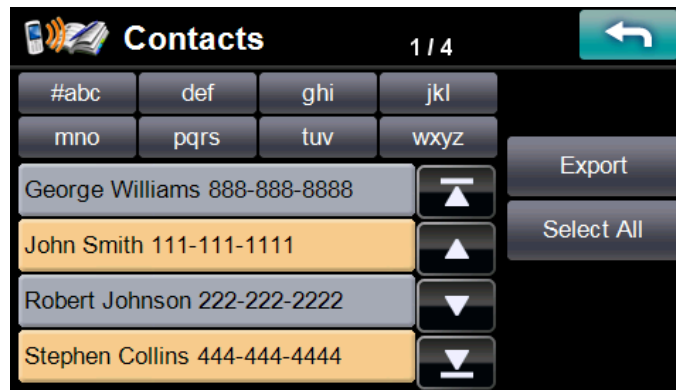
**NOTE:** Not all mobile phones support “Import Phonebook”.

1. Tap the “Import Phonebook” button.
2. Phone book on mobile phone is imported to your unit.
3. You can see imported Contacts in “Contacts” screen.

**NOTE:** Phonebook may be imported separating into multiple entries depending on mobile phones.

#### 4.4.3 Export contacts to SD

1. Insert SD card to your unit.
2. Tap the “Export Contacts to SD” button.
3. Tap the entry you want to Export (allowed to select multiple entries).  
(You can select all entries using the “Select All” button)

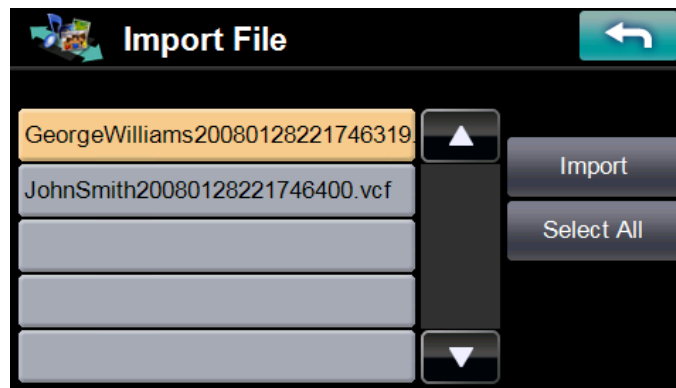


4. Tap the “Export” button and the entry you have selected starts to be exported to SD card.

**NOTE:** The selected entry is output to the “Contacts” folder of SD card in vCard format.  
vCard file can be read by Microsoft Outlook etc. with PC.

#### 4.4.4 Import contacts from SD

1. Insert SD card including vCard file to your unit.
2. Tap the “Import Contacts from SD” button.
3. vCard files existing in the “Contacts” folder of SD card appear.

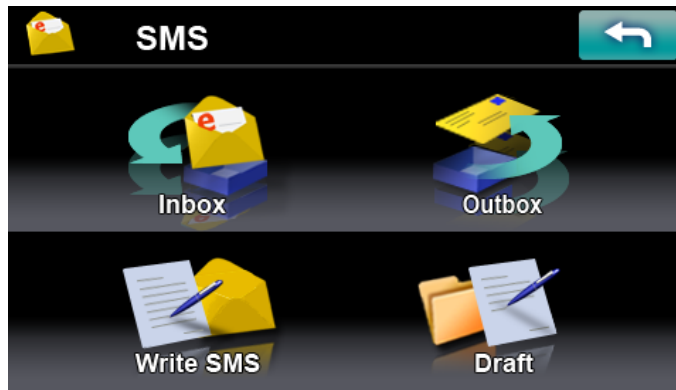


4. Tap vCard file you want to Import (allowed to select multiple files).
5. Tap the “Import” button and the vCard file you have selected starts to be Imported.
6. You can see imported Contacts in “Contacts” screen.

#### 4.5 SMS (Short Message Service)

**NOTE:** Not all mobile phones support “SMS”.  
Depending on mobile phones, only sending or receiving function is supported.



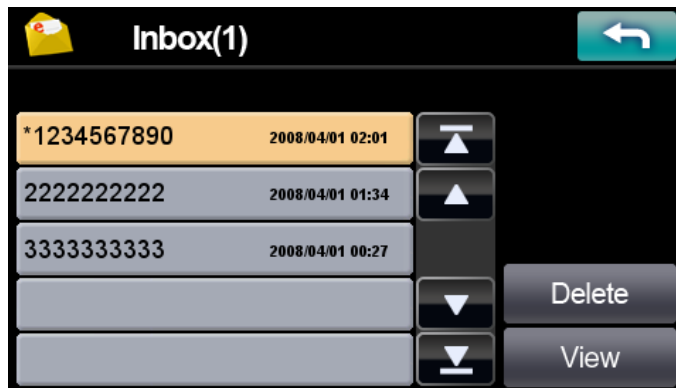


#### 4.5.1 Inbox

You can receive and read the message of the connected phone via Bluetooth.

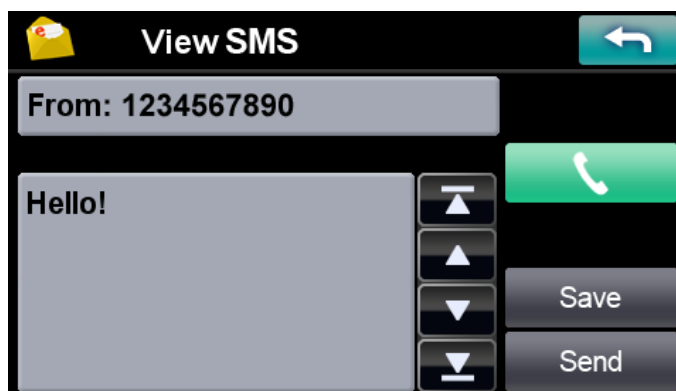
The maximum number of the saved message in Inbox is 100.


Unread messages are displayed with '\*', and the unread number is displayed on the title bar.



Select one of messages and tap the “Delete” button, the message is deleted.

And select one of messages and tap the “View” button, you can read the whole of the message on the “View SMS” screen. Then tap the message field, you can input the reply.



Name	Description
	Start to make a call to the sender
Save	Save the reply
Send	Send the reply to the sender

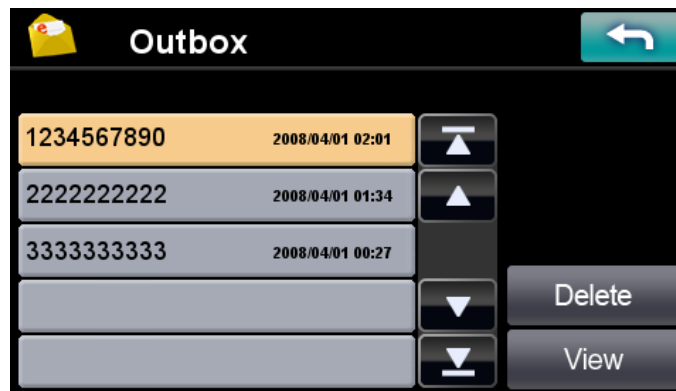
**NOTE:** On the “Settings”, you can do the setting of “SMS Automatic Receive” and “SMS Automatic Display”.

### 4.5.2 Outbox

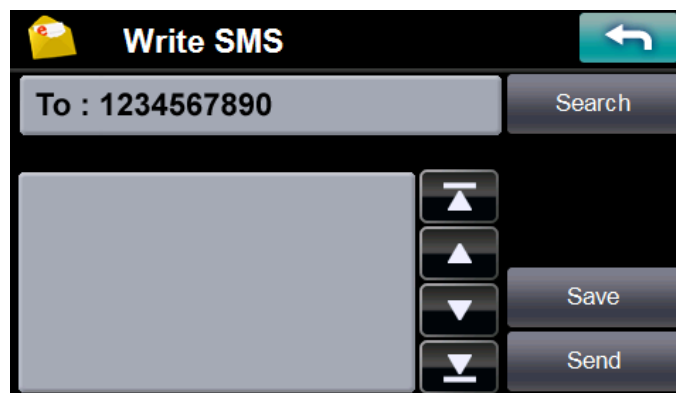
The sent message is saved to the Outbox.

The maximum number of the saved message in Outbox is 100.

Select one of messages and tap the “View” button, you can read the whole of the message on the “View SMS” screen.



### 4.5.3 Write SMS



1. Input the destination number with A or B.
  - A. Input the number directly (Tap the destination number field)
  - B. Select the number from Contacts entries (Tap the “Search” button)
2. Tap the message field, you can input the message. After finishing, tap the “Save” button.



3. After making a message finishes, tap the “Save” button.
4. Tap the “Send” button when connecting with the mobile phone, the message is sent.
5. Tap the “Save” button, the message is saved to “Draft”.

#### 4.5.4 Draft

The draft messages are saved to “Draft”.

The maximum number of the saved message in Draft is 100.

Select one of messages and tap the “Edit” button, the “Write SMS” screen opens.

You can edit and send the selected message.



## 5 Multimedia Players




Sanyo portable navigation system provides you with a full multi media entertainment system. Enjoy your favorite music, photo and movie on the road.

### 5.1 Photo viewer

#### 5.1.1 Features

- Support for JPEG file.
- Photo files on both of your unit's internal memory and SD card can be displayed. (You can copy photo files from PC to your unit using USB cable.)
- Slide-show mode and Rotation function

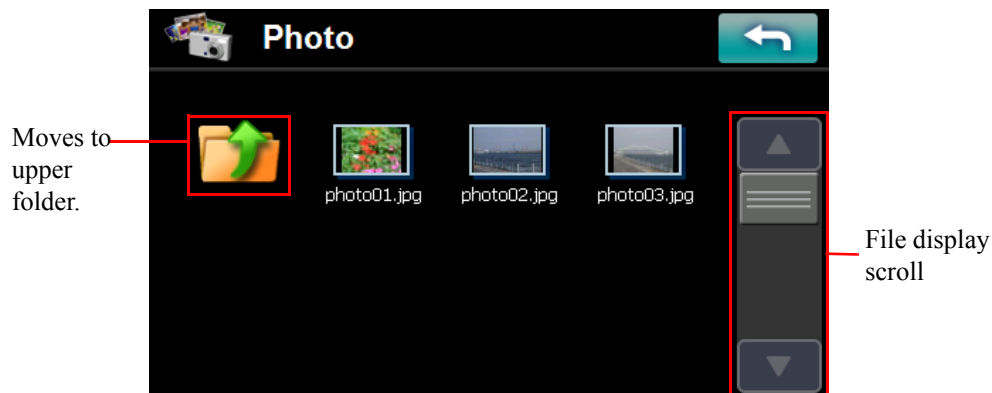
#### 5.1.2 Using the photo viewer


1. Tap the "Photos" button on "Main Menu".
2. Tap  (Internal Memory) /  (SD Card) to select the media in which exist image file you want to display.
3. Tap , then "File Explorer" screen appears.
4. Tap the photo file icon (Thumbnail) you want to display, then selected file is displayed.



#### Normal screen mode







#### File Explorer screen



 displays an image rotating 90 degrees clockwise.

Tap , , then previous / next image in current folder is displayed.

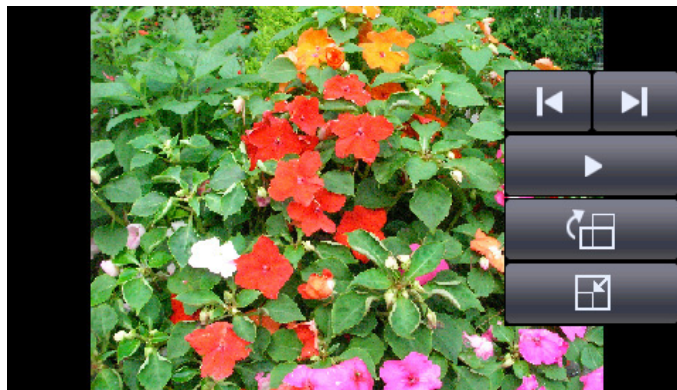
### 5.1.3 Full screen display / slide-show

1. Tap the screen or . then the screen changes to full screen and slide-show mode (displays automatically next file in a folder in a specific time) starts.
2. The button which had been appear once is automatically disappear after 5 seconds. By tapping screen at full screen mode, buttons appear / disappear.
3. By tapping , slide-show mode is canceled.
4. By tapping  again, slide-show mode is restarted.
5. By tapping , the screen returns to normal screen mode.

#### Full screen mode without buttons



#### Full screen mode with buttons



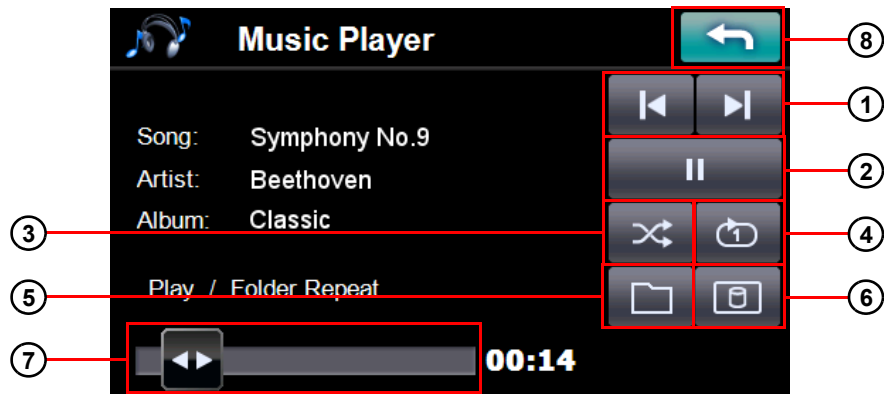
## 5.2 Music player

### 5.2.1 Features

- Support for MP3, WMA, and WAV files
- Music files on both of your unit's internal memory and SD card can be played back. (You can copy music files from PC to your unit using USB cable.)
- You can use navigation system while listening to music. (Background music mode)
- Folder repeat / Song repeat / Random play modes.

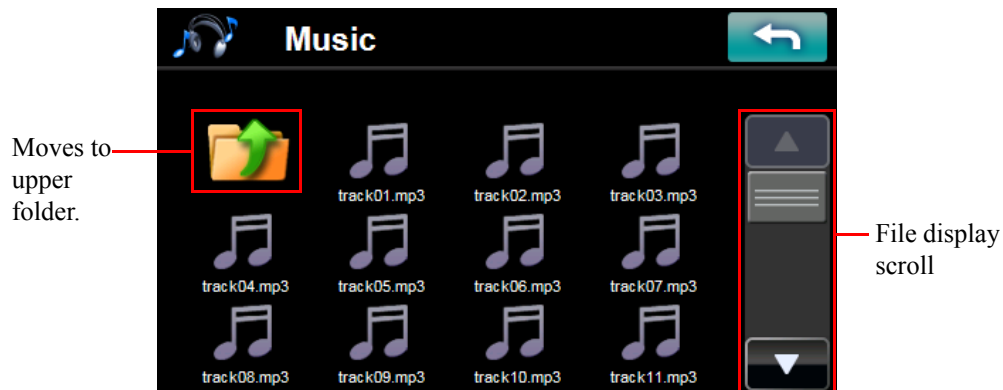
### 5.2.2 Using the music player

1. Tap the "Music" button on Main Menu.
2. The Music Player screen below controls playback.



No.	Function	Description
1	Skip backwards/forwards	Advances one song backward and forward
2	Play / Pause	Plays or Pauses the music
3	Random Play	Sets play-mode to random order
4	Repeat	Sets repeat mode (Song Repeat / Folder Repeat)
5	File	Changes to File Explorer screen to select file
6	Memory/SD card	Selects Data Storage (Internal Memory / SD card)
7	Slide-bar	Changes playing location
8	Return	Stops the music and returns to Main Menu

### 3. File Explorer screen




Tap the music file icon you want to play, then selected file is started to playback.

### 5.2.3 Background music mode

#### Starting Background Playback

1. Start to play music in Music Player
2. Push shortly the “MENU” button.
3. “Main Menu” appears (music keeps playing).
4. You can enter to each screen of “Navigation”, “Communications”, “Photo” and “Settings”, but not “Video”.

#### Stopping Background Playback

1. Enter to Music Player again.
2. Tap  and exit to “Main Menu”.
3. Music stops.




## 5.3 Video player

### 5.3.1 Features

- Support for MPEG4/H.264 file
- Movie files on both of your unit's internal memory and SD card can be played back. (You can copy movie files from PC to your unit using USB cable.)
- Fast Forward / Backward Play mode. (2x, 4x, 8x, 16x, 32x)

**NOTE:** This unit cannot play all MPEG4/H.264 movie files.

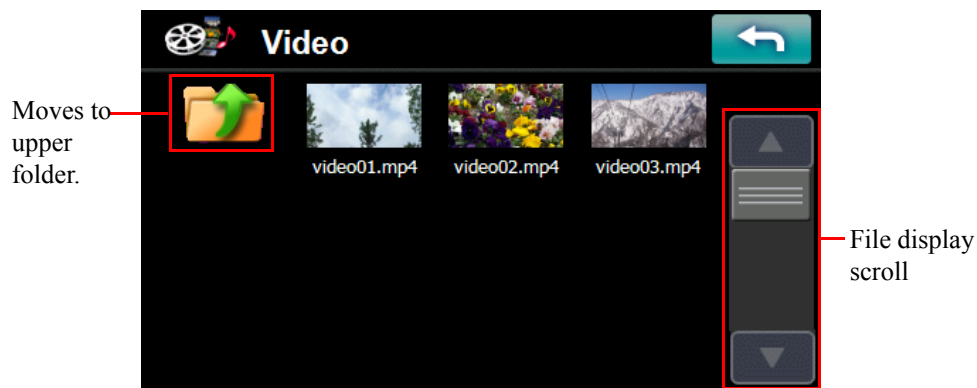
### 5.3.2 Using the video player

1. Tap the "Videos" button on "Main Menu".
2. Tap  (Internal Memory) /  (SD Card) button to select the media in which exist movie file you want to display.
3. Tap , then "File Explorer" screen appears.
4. Tap the movie file icon (Thumbnail) you want to playback, then selected file is started to playback.


#### Normal screen mode



#### File Explorer screen



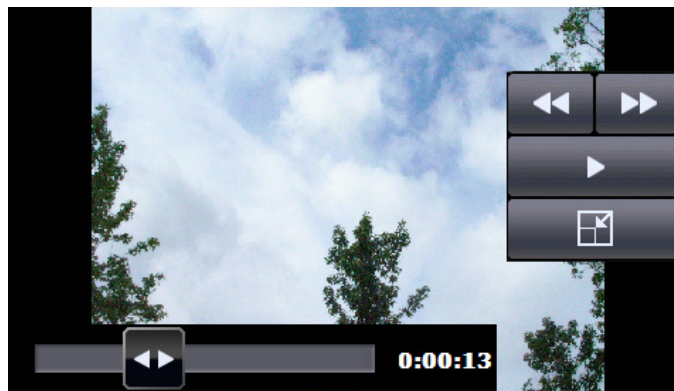
### 5.3.3 Full screen display

1. Tap the screen, then the screen changes to full screen mode.
2. By tapping screen at full screen mode, buttons appear / disappear.
3. By tapping , the screen returns to normal screen mode.


### Full screen mode without buttons




### Full screen mode with buttons



#### 5.3.4 Fast forward / backward play mode

Tap , then Fast Forward Play (2x -> 4x -> 8x -> 16x -> 32x) is started.

Tap , then Fast Backward Play (2x -> 4x -> 8x -> 16x -> 32x) is started.

### 5.4 USB mass storage

You can use your unit as the external mass storage disk of your PC.

1. Connect your unit to PC using USB cable.
2. Your unit becomes the external mass storage disk of your PC.
3. You can see files on your unit.

You can copy multimedia files (mp3, wma, jpeg and mp4) from PC to your unit.

**NOTE:** Operating system of your PC should be Windows XP or later.



## 6 Troubleshooting

### 6.1 Your device does not turn on.

- Check that the battery switch is ON.
- Check that the Car adaptor is connected to your device.
- Check that the battery power of your device is enough.

### 6.2 The internal battery cannot be charged or charging time is long.

- Check that the battery switch is ON.
- Check that the Car adaptor or PC by USB cable is connected to your device.
- In case of USB charging, make sure that your device is OFF state and the USB interface of your PC supports 500 mA at 5 Volts (Bus Powered).
- In comparison with Car adaptor, USB charging takes long time.

### 6.3 System stops responding; is “frozen” or “locked up.”

- To reset your device, take a sharp object like a pen and depress the reset button on the bottom of the device.
- If your device still does not respond after performing “reset”, disconnect all cables, including the Car adaptor, from your device. Slide the battery ON/OFF switch on the bottom of the device to the OFF (left) position. Then slide it to the ON position again.

### 6.4 Users can also perform a “system reset.”

- To do a “system reset” in the Main Menu, tap the Settings, then tap the Sys Info. This will allow you to do a factory reset (restore to default settings), reset the GPS and recalibrate the touchscreen interface.

### 6.5 Screen is not displayed normally.

- Make sure that brightness setting is appropriate.
- There is the case that LCD does not work normally at a high temperature and low temperature. Make sure that the temperature is in the normal operating range.

### 6.6 The touch screen does not respond well.

- Calibrate the screen of your device.

### 6.7 Connection problems with PC.

- Make sure that the cable is securely plugged into the USB port on your computer and on the device.
- Connect the USB cable directly to your computer - do not run the cable through a USB hub.
- Reset your device before connecting the cable. Always disconnect your device before you restart your computer.

### 6.8 No GPS connection

- Make sure that your device has a clear view of the sky.
- Note that the GPS reception can be affected by:
  - Bad weather
  - Dense overhead obstacles (e.g. trees and tall buildings)
  - Other wireless devices in the car
  - GPS signal may not be received if a window is coated with film.

### 6.9 No sound coming from the device.

- Make sure that volume setting is not too low.
- The built-in speaker turns off when the headphones jack is being used.
- The built-in speaker also turns off when the FM transmitter is ON.

### **6.10 Getting a GPS fix takes longer time than normal.**

- If the previous GPS fix position was more than 500 km or 12 hours apart from your current position and time, it will take significantly longer than the standard TTFF time to get a GPS fix. This is due to the nature of the GPS algorithm and rotational velocity between the satellites and planet Earth, and deemed normal.
- Perform a GPS reset in the Main/Settings/Sys Info. menu to get a faster GPS fix.

### **6.11 Factory reset does not mean a GPS reset.**

- The Factory Reset function only resets the OS settings to their default factory values; it will not reset the GPS settings.

### **6.12 Bluetooth functions do not work.**

- Make sure that Bluetooth setting of your phone is ON and Visible.
  - If the connected mobile phone has the Bluetooth auto-accept function, set this function to “ON”.  
(For more detailed information, see your phone’s manual.)
- Make sure that your phone is located within 30 feet (10meters) from your device.
  - The following Bluetooth functions are usable or unusable depending on a model of mobile phone.
    - “File Transfer”
    - “Import Phonebook”
  - The SMS sending and receiving functions are usable or unusable depending on a model of mobile phone.
  - For the “Import Phonebook”, depending on a model of mobile phone, one contact on your phone is divided into multiple entries on your device.

### **6.13 Unavailable functions**

- When “Navigation” is running as the background process (When the “MENU” button is pushed briefly and exit from “Navigation”), it is impossible to enter to “Photo”, “Video” and “Locale” menus.
- When “Music” is running as the background process (When the “MENU” button is pushed briefly and exit from “Music”), it is impossible to enter to “Video” menu.

### **6.14 The rear view camera image is not displayed**

- Make sure that the rear view camera is connected to the device.
- Make sure that the contents of the “Camera Settings” have been properly configured. (See “3.2.3 Camera / Camera settings”)